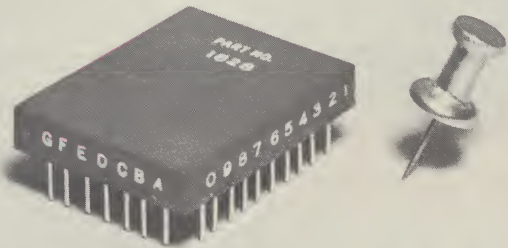


microphysics inc.

233 MAIN STREET
HUNTINGTON, N.Y.
TEL. 516-271-0720
TWX 516-421-4562

DIODE MATRIX MODULES FOR DIGICATOR™. ELECTRONIC NUMERIC READOUTS

Advance Data 7856
February, 1964



Potted diode matrix modules, designed for use with MICROPHYSICS' Series 10, 11 and 13 DIGICATOR Electronic Numeric Readouts (Nos. 1725, 1728 and 1829, respectively).

Four matrix modules are available:

- No. 1827 - Positive supply
- No. 1828 - Negative supply
- No. 1895 - Positive supply, with matched diodes
- No. 1896 - Negative supply, with matched diodes

APPLICATION NOTES:

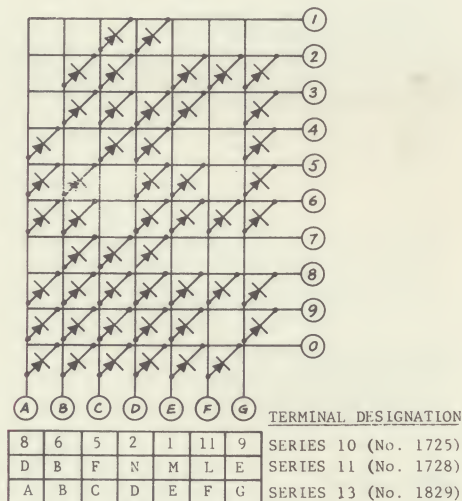
No. 1827 (Positive supply) and No. 1828 (Negative supply):

Can be used directly for Series 11 and 13 DIGICATORS, without auxiliary transistor driver circuits. Can also be used for Series 10, 11 and 13 DIGICATORS in limited driving current applications with an inexpensive transistor circuit (2N404) which is switched by the matrix module — see MICROPHYSICS Tech Data 2528 for suggested circuits.

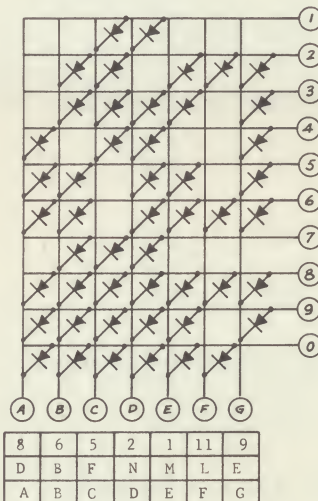
No. 1895 (Positive supply) and No. 1896 (Negative supply):

Employ diodes that have been factory-matched to within ± 0.02 volts forward drop. Can be used directly for Series 10 DIGICATORS, without auxiliary transistor driver circuits.

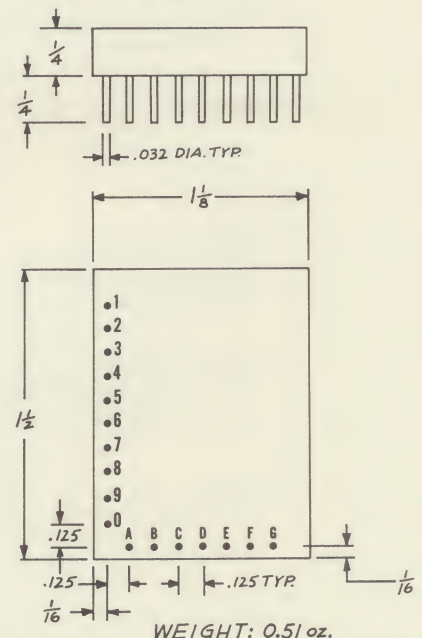
MATRIX SCHEMATIC (1828 & 1896)



MATRIX SCHEMATIC (1827 & 1895)



DIMENSIONS (ALL MODELS)



SPECIFICATIONS (PER DIODE)

FORWARD CURRENT..... 60 ma
LEAKAGE..... 2 μ a MAX. @ 10 VOLTS INVERSE @ 25° C
FORWARD DROP:
Nos. 1827 and 1828..... 1 VOLT MAX.
Nos. 1895 and 1896..... 1 VOLT MAX., DIODES MATCHED TO WITHIN
 ± 0.02 VOLTS OF NOMINAL VALUE (nominal
value supplied when ordering)

(See other side for prices, availability, and engineering-sales representatives)

ORDERING QUANTITY	PRICE, each			
	No. 1827	No. 1828	No. 1895	No. 1896
1-9	46.50	46.50	51.50	51.50
10-99	41.50	41.50	46.50	46.50
100-249	37.00	37.00	42.00	42.00
250-999	33.00	33.00	38.00	38.00
1000 and over	29.50	29.50	34.50	34.50

AVAILABILITY (all models)

Prototypes will be delivered within one week after receipt of order. Delivery for larger quantities will be quoted on request.

VARIATIONS

Other configurations as well as complete driver circuit modules are available — price and delivery quotations will be submitted after receipt of customer specifications and requirements.

ENGINEERING - SALES REPRESENTATIVES

CALIFORNIA, Los Angeles
Kittleson Company
416 North LaBrea Avenue
(213) WE 3-7371

MASSACHUSETTS, Waltham
J and J Associates, Inc.
241 Crescent Street
(617) 899-0160

NEW YORK, Jamaica
S. A. M. Associates
150-08 87th Street
(212) OL 8-8881

CALIFORNIA, Palo Alto
Kittleson Company
809 San Antonio Road
(415) DA 6-7410

MICHIGAN, Plymouth
Midwest Sales Co.
9440 Marlowe
(313) GL 3-4438

NORTH CAROLINA, Charlotte
Bill Henry Associates
1043 Providence Road
(704) 375-8958

COLORADO, Littleton
Western Engineering Co.
1100 West Littleton Blvd.
(303) 798-4873

MINNESOTA, St. Paul
Fiat Engineering Associates
1595 Selby Avenue
(612) 646-1858

OHIO, Cleveland
Midwest Sales Co.
3219 West 117th Street
(216) 941-2700

CONNECTICUT, Milford
J and J Associates, Inc.
35 Gulfview Court
(203) TR 4-3289

MISSOURI, Kansas City
R. R. Burton Sales Co.
7546 Troost Avenue
(816) JA 3-7865

PENNSYLVANIA, Philadelphia
Wm. I. Duncan & Associates, Inc.
5452 Charles Street
(215) 744-6110

FLORIDA, Sarasota
Bill Henry Associates
2187 Sunnyside Lane
(813) 955-4637

MISSOURI, St. Louis
R. R. Burton Sales Co.
2050 Woodson Rd.
(314) HA 6-2026

PENNSYLVANIA, Pittsburgh
Midwest Sales Co.
648 Center Avenue
(412) 931-7616

GEORGIA, Atlanta
Bill Henry Associates
84 Silverwood Rd., N.E.
(404) 255-0920

NEW JERSEY, Kendall Park
S. A. M. Associates
89 Kendall Road
(201) AX 7-1818

TEXAS, Austin
IBL Engineering & Sales, Inc.
1903 West 34th Street
(512) GL 2-2064

ILLINOIS, Bellwood
Fiat Engineering Associates
5133 St. Charles Road
(312) 547-6200

NEW MEXICO, Albuquerque
Compar Rocky Mountain
1437 San Mateo Blvd., N.E.
(505) 265-1020

TEXAS, Dallas
IBL Engineering & Sales, Inc.
6170 Sherry Lane
(214) EM 3-2921

MARYLAND, Towson
Wm. I. Duncan & Asso., Inc.
206 Washington Ave.
(301) 823-2506

NEW YORK, Fayetteville
Graydon-Sherman, Inc.
Old Farm Road
(315) HO 3-4533

TEXAS, Houston
IBL Engineering & Sales, Inc.
3810 Almeda
(713) JA 3-8360